

KEK Theory Meeting on Particle Physics Phenomenology (KEK-PH2018 winter) and 3rd KIAS-NCTS-KEK workshop on Particle Physics Phenomenology

Contribution ID: 53

Type: **not specified**

Spontaneous SUSY breaking in natural SO(10) GUT

Wednesday, 5 December 2018 16:00 (15 minutes)

If from natural SO(10) GUT, in which DT splitting can be realized with natural assumption in which all interactions allowed by the symmetry are introduced with O(1) coefficients, one singlet field is reduced, SUSY is spontaneously broken in meta-stable vacuum. Although gaugino masses become much smaller than sfermion masses, we discuss a few interesting phenomenological predictions of this scenario.

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Session Classification: Parallel Session 2